

## INFORMATION REPORT INFORMATION REPORT

## CENTRAL INTELLIGENCE AGENCY

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COUNTRY Poland

REPORT

SUBJECT Polish Purchases of Iron Ore

DATE DISTR.

April 8, 1957,

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REQUIREMENT  
NO. RD

REFERENCES

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DATE OF  
INFO.PLACE &  
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Lenin Metallurgical Plant		Assortment Calculation		June	1955	2
<u>Plant</u>		<u>Symbol</u>		<u>Month</u>	<u>Year</u>	<u>page</u>
Rolling mill:		<u>Blooming</u>		<u>Total production:</u> finish rolled accepted		
		<u>Name of department</u>	<u>Symbol</u>	" " rejected		
				<u>Total</u>		
				<u>Department total</u>		
<u>Group</u>	<u>Position of Costs</u>	<u>Symbol of position of costs</u>	<u>Quantity</u>	<u>Price</u>	<u>Value</u>	<u>For 1 ton of production</u>
			<u>kg</u>	<u>zl/t</u>	<u>zl</u>	<u>kg</u> <u>zl</u>
Production in Progress	Basic Materials	Ingot from open hearth steel				
		<u>Total</u>				
		<u>Total</u> foreign ingots				
		<u>Total</u>				
		at the beginning of the period				
		total including production at the beginning of the period				
		at the end of the period				
		<u>Total</u>				
		Immediate raw materials				
		Deviations from planned prices				
Purchase costs						
Cost of preparing the charge						
	Gross cost of the charge					
Scraps	Scraps					
	"Grzewczy" (heating?) slag					
	Scales					
	Unusable wastes					
	<u>Total</u>					

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Rejects	sole fault of the department
	fault of the department
	fault of the department
	fault of the supplier
	Total
	Total scraps and rejects
	Production -- yield

<u>Group of costs</u>	<u>Machining</u>	<u>Symbol of position of costs</u>	<u>Month reported</u>	<u>Machining costs</u>			<u>Rejects</u>	<u>Finished</u>	<u>s/t acceptable production</u>
				<u>Production in progress</u>					
				<u>at the beginning of the period</u>	<u>at the end of the period</u>				
<u>B. Machining</u>	<u>Production wages</u>	Direct production wages							
		Social insurance from production wages							
		<u>Total</u>							
	<u>Department costs</u>	Machine and equipment operation costs							
		Overall departmental costs							
		<u>Total</u>							
	<u>Special costs</u>	Accepted as rejects due to fault of steel mill							
		Other special costs							
		<u>Total</u>							
		<u>Total Machining Costs</u>							

C. Final loss due to rejects

Departmental cost

D. Overall factory cost

Factory cost

E. Establishment cost according to type

<u>percentage</u>	<u>sale value</u>	<u>Actual</u>		<u>Calculated</u>	<u>Real</u>	<u>Departmental</u>
<u>sale price</u>	<u>for types</u>	<u>production</u>	<u>Equivalents</u>	<u>production</u>	<u>costs</u>	
		<u>kg</u>			<u>sl</u>	<u>sl/t</u>

Type I - quality

Type II -

Type III -

Type IV -

Total

F. Figuring costs of rejects on account 161

					<u>Reject costs in zloty</u>				
					<u>Charge</u>	<u>Machining</u>	<u>Total</u>	<u>Value of scrap</u>	<u>Final loss</u>
								<u>from rejects</u>	<u>from rejects</u>
Cost of rejects due to individual fault									
"	"	"	"	"	departmental fault				
"	"	"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"	"	"
" suppliers fault									
"	"	"	"	"	"	"	"	"	"
"	"	"	"	"	"	"	"	"	"
<u>Total</u>									
Difference resulting from reclassification of products									
Debits from rejects confirmed by others									
<u>Total</u>									

### Assortment Calculation

## Blast Furnaces

Calculation  
group

Open hearth pig iron

Blast Furnace No

Name \_\_\_\_\_

Symbol

page 1

Production

Month reported

Since beginning of the year

### Deviations

### Cost Positions

Yearly plan

Iron

Costs of month reported

For 1 ton of production

Name \_\_\_\_\_

For 1 ton of production

<u>Quantity</u>	<u>%</u> <u>content</u>	<u>kg/t</u>
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<u>Quantity</u>	<u>Price</u>	<u>Value</u>
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For 1 ton  
production

<u>kg/t</u>	<u>price</u>	<u>zl/t</u>
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Calcinated  
Calcinated acidic  
Crude siderite  
Brown "Bozy Dar"  
Hematite "Stassic"  
Oxidized  
Brown

TotalDomestic Ores

## Krivoy Rog Iron

GOR ~~Iron~~ Iron

W	W	C2
W	W	D
W	W	A
W	W	A: Mn

Low manganese  
High manganese

Total

Foreign ores (ore type  
according to separate

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		Domestic Agglomerate Ore mixture				
Metal additives	slag	Open-hearth slag				
		"Grzewny"(heating)slag				
		Ferro-manganized slag				
		<u>Total</u>				
	scrap	Coagulates				
<u>Total</u> <u>Total</u>						
		Iron yielding mixture				
		Yield from iron yielding mixture				
Fluxes		Crude dolomite				
		Limestone				
		<u>Total</u>				
		Purchase costs				
		Costs of preparing charge				
		Deviations from planned costs				
		<u>Total</u>				
		Total mixture cost				
Estimate		Yield from total mixture				
		Elast furnace powder				
		Coagulates				
		<u>Total</u>				
		Production(yield)				
Technical fuel	Blast Furnace	Foreign coke (dry price)			1. <u>Calculation of wet to</u>	
		Domestic coke " "			<u>dry coke</u>	
		<u>Total</u>			1.) <u>Wet Coke</u>	
		Losses due to coke crushing			No <u>Text Domestic Foreign Total</u>	
		Purchase costs and deviations from planned prices			1. Quantity	
	Gas		<u>Total</u>			2. Price zl/t
			Used for blast furnaces(statys.?)			3. Value
			Used by other departments(estimate)*			
			Purifying gas(full debit cost)			
			Net fuel (1000 cubic meters)			2.) <u>Dry Coke</u>
Prod. costs		Immediate production wages	No	<u>Text Domestic Foreign Total</u>		
		Socialized insurance from production wages			1. Quantity	
		<u>Total</u>			2. Price	
					3. **)	
		Cost of operating machines and equipment				
Special Dept. costs		Overall department costs			2. <u>Loss due to crumbled coke</u>	
		<u>Total</u>			<u>Coke</u> <u>Price</u> <u>Value</u> <u>zl</u>	
		Cost of beginning new production	No	<u>Coke</u> <u>Quantity</u> <u>zl/t</u>		
		Other costs			1. Crumbled	
		<u>Total</u>			2. Coal dust	
Manufacture		Departmental cost			3. Loss	
		Overall factory costs			4.	
		Total actual factory cost for pig iron prod.			5. Total	
		Including: liquid pig iron for the steel mill				
		crude steel for storage of finished products-for prod. of commodities				

\* after cost of purifying gas  
 \*\* value same as in column 3

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Lenin Metallurgical  
Plant

Assortment Calculation of Steel

Open hearth steel(ingots)  
Name

(All other headings are the same as those on form KA-2 with the exception of columns 2 and 3 which read: % wsadu metalicznego - percent of metal charge)

1

Pig iron

Liquid pig iron from the mixer  
" " " " " blast furnaces  
Solid " "  
" " " foreign  
Hematite pig iron

Total

Scrap

Scrap from the steel mill  
Inter-departmental metallurgical scrap (unintelligible)  
Foreign packaged scrap melting loss  
Unpackaged scrap rolling mill scraps  
Coagulates, billets

Total

Metal additives

Quantity of iron in the ore of 100 % content  
Open-hearth pig iron  
Blast furnace ferro-manganese  
Melted ferro-manganese  
Ferro-silicon  
Aluminium  
Silicon-manganese  
Ferro-phosphorus

Total

Total metal charge costs

Deviations from planned prices  
Material purchase costs  
Cost of preparing the charge

Total

Billets and coagulates  
Production scrap  
Slag(including slag for blast furnaces)

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**Calculation -- Ingots**

**1. Needed for one ton of pig iron:**

2 tons of iron ore	@ \$15 per ton	--	\$30
0.7 tons of flux( 18 sloty domestic price)			
1.1 tons of coke	@ \$18 per ton		<u>\$19.80</u>
			\$49.80

**2. Needed for one ton of open hearth steel**

0.620 tons of iron ore	@ \$49.8 per ton	--	\$29.08
0.480 tons of scrap	@ \$40.0 # "	--	\$20.00
0.020 tons of added metals	@ \$120 per ton	--	\$ 2.40
0.080 tons of Fe ore	@ \$15.0 per ton	--	<u>\$ 1.20</u>
			\$52.68

**3. Needed for one ton of blooms:**

1.150 tons of open hearth steel	@ \$52.68 per ton	--	\$60.58
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Production rejects

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Production(yield)

Limestone

Burnt lime

Fluorite

Bauxite

Raw dolomite

Foreign burnt magnesite

Foreign bulk magnesite

Ground slag

Electrode scraps

Iron ore

Domestic burnt dolomite

" mass dolomite

Domestic charcoal dust

Total

Generator gas

Coke-oven gas(foreign)

" " " (domestic)

Blast furnace gas

Tar gas

Total

Direct production wages

Socialized insurance from wages

Total

Beginning new production

Other costs

Total

Costs of operating machines and other equipment

Overall department costs

Total

Confirmed in the department

Confirmed in other departments

Total

Department costs

Overall factory costs

Overall factory cost of steel

Including: liquid steel

steel in ingots

Additive materials

Technical  
fuelsWages  
and  
InsuranceSpecial  
costsDept.  
costsFinal  
loss from  
rejectsM  
A  
N  
U  
F  
A  
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